Multiplying and Factoring Bell Work

Find the product of the following monomials

1. $3x(2y)$

2. $6x(3xyz)$

3. $(2ab)(9bc)$

4. $4a(8ab)$

Find the product of monomials by polynomials

5. $6a(3a + 2)$

6. $5x(2x + 2y - 9)$

Factor the following polynomials

7. $15x + 25y$

8. $9x + 18xy$

9. $30a^2 - 24ab + 12a$

10. $6yz + 9xy - 3y$

Multiplying and Factoring Bell Work

Answer:

Find the product of the following monomials

1. $3x(2y)=$ **$6xy$**

2. $6x(3xyz)=$ **$18x^2yz$**

3. $(2ab)(9bc)=$ **$18ab^2c$**

4. $4a(8ab)=$ **$32a^2b$**

Find the product of monomials by polynomials

5. $6a(3a+2)=$ **$18a^2+12a$**

6. $5x(2x+2y-9)=$ **$10x^2+10xy-45x$**

Factor the following polynomials

7. $15x+25y=$ **$5(3x+5y)$**

8. $9x+18xy=$ **$9x(1+2y)$**

9. $30a^2-24ab+12a=$ **$6a(5a-4b+2)$**

10. $6yz+9xy-3y=$ **$3y(2z+3x-1)$**